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4-25-00

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V  
POLLUTION REPORT

**I. HEADING**

**DATE:** April 25, 2000  
**SUBJECT:** Conservation Chemical Site PRP Removal Action, Gary, Lake County, IN  
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**POLREP:** POLREP #19A

**II. BACKGROUND**

**Site No:** Y1  
**Response Authority:** CERCLA (PRP Removal Action)  
**State Notification:**  
**Status:** Consent Order signed on 2/4/1999

**CERCLIS No:** IND040888992  
**NPL Status:** Non-NPL  
**Start Date:** 7/5/1999

**III. INCIDENT INFORMATION**

See Pollution Report #1 for the U.S. EPA removal action.

**IV. RESPONSES INFORMATION****A. Situation****1. U.S. Removal**

The U.S. EPA removal of PCB-contaminated soil was completed in June of 1999. This phase of the CCCI removal was funded by proceeds of the 1996 de minimus settlement and the removal was authorized by the April 1998 Action Memorandum. Upon demolition of Tank #22 by the PRP Group in August of 1999, the PRP group discovered a heavy tar like sludge which had been released from the bottom of the steel tank. The material has been sampled for PCB and found to contain low levels (less than 15 ppm). The tar and surrounding soil was removed by the U.S. EPA contractor. See POLREPs 1-7 for more information.

**2. PRP Removal activities to (April 24, 2000)**

- Sample results from 4/14/2000 indicated elevated levels of TCLP chromium in the northern section of the pie-shape lagoon (TCLP chromium in the material ranged from 6 to 13 mg/L and the staged pile to the northwest was 98 mg/L).
- KPR continued re-mixing the northern half of the pie-shape lagoon and adding water to the mixture to allow the kiln dust to react with the sludge material. Over 14,000 gallons of water were transported to the site for the re-mixing of the northern section of the pie-shape lagoon.
- KPR mobilized an additional excavator and an operator on 4/19 to assist in the re-mixing of the northern half of the pie-shape lagoon.
- The off-site lagoon reconstruction was completed.
- KPR continued backfilling the acid lagoon area with clay and stone to allow for drainage.
- KPR capping of the northwest section of the property is near completion. An additional truckload of clay is needed to fill in low spots throughout the cap..
- Clean Harbors packaged and disposed of the one small container of amine and one drum of blue solution expected to be a copper containing liquid.

#### B. Planned Removal Action

- Begin transferring the off site treated material located within the pie-shape lagoon to a designated areas inside the property. The treated material from the northern half of the pie-shape lagoon will be transferred as soon as the second set of composite samples are collected and analyzed for TCLP chromium.
- Relocate the fence to the property line.
- Backfill off site area near the pie-shape lagoon.
- Construct a clay cap over stabilized material from pie-shape lagoon.
- Additional cleanup activities will include shearing tires into quarter section and disposal along with the nonhazardous debris.
- Railroad ties excavated from the pie-shape lagoon were staged and will be disposed with the nonhazardous material.
- KPR will continue to re-mix the northern half of the pie-shape lagoon. Additional water will be used in the mixing of the material
- Begin removing the hazardous drum debris once agreement for disposal has been approved.
- Meet with KPR, Gary/Chicago Airport Authority and U.S. EPA to discuss installation of the culvert pipe and engineered controls to keep oil from entering the ditch.

#### C. Key Issues

- An offer has been made by the 6500 Industrial Highway Group to provide a cash payment to the Gary Chicago Airport Authority to install a culvert pipe in the ditch which runs along the West side of the airport has been made. Further discussion is necessary to finalize the agreement with the airport and to discuss the engineering controls which are necessary to keep oil from seeping into or along the culvert pipe.
- The northern half of the pie-shape lagoon did not pass for TCLP chromium. START and KPR collected pH samples of the staged pile that had a TCLP chromium level of 98.0 mg/L. The pH level was above 12. It was recommended to continue mixing the pile and the area with elevated levels of TCLP chromium with water and allow the kiln dust to react with the material. The failed section is expected to be re-sampled during the weekending 4/28/2000. A theft of KPR office equipment (fax and camera) occurred between 16:00 hrs (4/13/00) and 0730 hrs (4/14/00). The incident was reported to the Gary Police on 4/14/00. No U.S. EPA equipment was taken during the theft.

Table 1  
U.S.EPA/PRP REMOVAL ACTION  
Conservation Chemical Site  
Disposal Information

Waste Streams	Date	Medium	Quantity	Manifest #	Treatment	Disposal Facility
Non-hazardous Debris	7/7/99 - 7/14/99	Debris	88 .7 tons	Load # 1 - 16	Disposal	Newton County Landfill 2266 500S Brook, IN 47922
Non-hazardous Debris	7/20/99 - 7/22/99	Debris	20.1 tons	Loads # 17 - 25	Disposal	CID 135 <sup>th</sup> and I-94 Chicago, IL
Steel Debris	7/22/99- 7/23/99	Steel	314.26 tons		Recycle	Bethlehem Steel Gary, IN
Steel Debris	8/5/99	Rubber lined	34 tons	load 26 & 27	Disposal	Newton County Landfill 2266 500S Brook, IN 47922
Hazardous Liquid, Acid Waste	8/9/99 - 8/15/99	Liquid acid	50,800 gallons	Manifest #00001 - 5 & 7-9,12, &18	Disposal	Clean Harbor Chicago, IL
Lab-Pack	8/11/99	Various liquids and solids	22 30-gallon pails	Manifest #00006	Disposal	Clean Harbors Chicago ,IL
Hazardous Liquid, Alkaline Waste	8/16/99 8/20/99	Liquid alkaline	9,400 gallons	Manifest #11, 13-17, 19	Disposal	Clean Harbor Chicago, IL
Non-Hazardous Liquid	8/16/99	Non-haz. Liquid	1,255 gallons	Manifest #10	Disposal	Clean Harbor Chicago, IL
Non-Hazardous Solid	8/25/99 8/27/99	Rubber lined steel	55.21 tons		Disposal	Newton County Landfill Brook, IN 47922
Hazardous Sludge (T-28)	8/25/99	Alkaline Sludge	30 55-gallon drums		Disposal	Clean Harbor Chicago, IL
Hazardous Liquid	8/30/99	Acid Liquid	1450 gallons		Disposal	Clean Harbor Chicago, IL
Hazardous Liquid	9/1/99	Corrosive liquid	44 55-gallon drums (acid)	Manifest 23	Disposal	Clean Harbor Chicago, IL
Non-Hazardous liquid	9/1/99	Oil material	21 55-gallon drums	manifest 26	Disposal	Clean Harbor Cincinnati, OH
Hazardous Liquid	9/1/99	Corrosive liquid	eight 55-gallon drums	Manifest 24	Disposal	Clean Harbor Chicago, IL
Hazardous Material	9/1/99	Chrom an Pb	3 55-gallon drums & 3 cu.yd. Boxes	Manifest 25	Disposal	Clean Harbor Chicago, IL
Non-hazardous	9/7/99	rubber lined steel	22.59 tones		Disposal	Newton County Landfill
Non-hazardous	9/7/99	Debris	60 cu. yds		Disposal	CID Landfill
Hazardous solid	9/14/99	TCE solid	16 tons	Manifest 27	Disposal	EQ Belleville, MI
Non-hazardous	9/16/99	Debris	60 cu. yds		Disposal	CID Landfill

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